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इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।
(Separate paging is given to this Part in order that it may be filed as a separate compilation)

भाग III—खण्ड 2

[PART III—SECTION 2]

[पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस]
[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

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Kolkata: the 17th January 2004

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Fax No. (011) 2587 1256.
E-mail: delhipatent@vsnl.net

3. Patent Office Branch,
Guna Complex, 6th Floor, Annex-II,
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Chennai-600 018.

The States of Andhra Pradesh,
Karnataka, Kerala, Tamil Nadu and
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Phone Nos. (044) 2431 4324/4325/4326.
Fax Nos. (044) 2431 4750/4751.
E-mail patentchennai@vsnl.net

Patent Office (Head Office),
Nizam Palace, 2nd M.S.O. Building,
5th, 6th & 7th Floor,
234/4, Acharya Jagadish Bose Road,
Kolkata-700 020.

Rest of India.

Telegraphic Address "PATENTS"
Phone Nos. (033) 2247 4401/4402/4403.

Fax Nos. (033) 2247 3851, 2240 1353.

E-mail. patentin@vsnl.com

patindia@giascio1.vsnl.net.in

Website : http://ipindia.nic.in

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पेटेंट कार्यालय

एकसूच तथा अधिकल्प

कोलकाता, दिनांक 17 जनवरी 2004

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कोलकाता में अवस्थित है तथा मम्बई, दिल्ली एवं चेन्नई में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं:--

- पेटेंट कार्यालय शाखा,
टोडी इस्टेट, तीसरा तल,
मन मिल कम्पाउंड,
लोआ पेटेल (वेस्ट),
मुम्बई - 400 013 ।

गुजरात, महाराष्ट्र, मध्य प्रदेश तथा
गोआ राज्य क्षेत्र एवं
संघ शासित क्षेत्र, दमन तथा दीव एवं
दादर और नगर हवेली ।

तार पता : "पेटेंटोफिस"

फोन : (022) 2492 4058, 2496 1370, 2490 3684, 2490 3852

फैक्स : (022) 2495 0622, 2490 3852

ई. मेल : patmum@vsnl.net

- पेटेंट कार्यालय शाखा,
डब्ल्यू-5, वेस्ट पेटेल नगर,
नई दिल्ली - 110 008 ।

हरियाणा, हिमाचल प्रदेश, जम्मू
तथा कश्मीर, पंजाब, राजस्थान,
उत्तर प्रदेश तथा दिल्ली राज्य
क्षेत्रों एवं संघ शासित क्षेत्र चंडीगढ़ ।

तार पता : "पेटेंटोफिस"

फोन : (011) 2587 1255, 2587 1256, 2587 1257,
2587 1258.

फैक्स : (011) 2587 1256.

ई. मेल : delhipatent@vsnl.net

- पेटेंट कार्यालय शाखा,

गुना कम्प्लेक्स, छत्र तल, एनेक्स-11,
443, अन्नासलाई, तेनामपेट,
चेन्नई - 600 018 ।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु
तथा पाण्डिचेरी राज्य क्षेत्र एवं संघ
शासित क्षेत्र लक्षद्वीप, मिनिकाय तथा एमिनिदिप द्वीप ।
तार पता - "पेटेंटोफिस"

फोन : (044) 2431 4324/4325/4326.

फैक्स : (044) 2431 4750/4751.

ई. मेल : patentchennai@vsnl.net

- पेटेंट कार्यालय (प्रधान कार्यालय),
निजाम पैलेस, द्वितीय बहुतलीय कार्यालय
मकान, 5वां, 6वा व 7वां तल,
234/4, आचार्य जगदीश बोस मार्ग,
कोलकाता - 700 020 ।

भारत का अवशेष क्षेत्र ।

तार पता - "पेटेंट्स"

फोन : (033) 2247 4401/4402/4403.

फैक्स : (033) 2247 3851, 2240 1353.

ई. मेल : patentin@vsnl.com

patindia@giascio1.vsnl.net.in

वेब साइट : http://ipindia.nic.in

पेटेंट अधिनियम, 1970 तथा पेटेंट (संशोधन) अधिनियम, 2002
अथवा पेटेंट नियम, 2003 द्वारा अपेक्षित सभी आवेदन, सूचनाएं, विवरण
या अन्य दस्तावेज या कोई फीस पेटेंट कार्यालय के केवल समुचित
कार्यालय में ही ग्रहण किए जाएंगे ।

शुल्क : शुल्कों की अदायगी या तो नकद की जाएगी अथवा
जहां उपयुक्त कार्यालय अवस्थित है, उस स्थान के अनुसूचित बैंक से
नियंत्रक पेटेंट को भुगतान योग्य बैंक ड्राफ्ट अथवा बैंक द्वारा की जा
सकती है ।

CORRIGENDUM

Notice is hereby given that the Patent No. 189205 Sealed on 22.10.2003 and Notified in the Gazette of India Part-III Section-2 dated 29.11.2003. Pleased read as Patent No. 189206 instead of Patent No. 189205.

Patent No. 190567 published in Gazette of India, Part III, Section 2 dated 09.08.2003 as against application number 441/MUM/2001. Read the application No. as 411/MUM/2001 instead of 441/MUM/2001.

Grant of Exclusive Marketing Right (EMR)

One application for grant of EMR bearing No. EMR/1/2003 dated 17/07/2003 filed by Wockhardt Ltd., Wockhardt Towers, Bandra-Kurla Complex, Bandra (East), Mumbai-400 051, Maharashtra, India on Nadifloxacin 1% Cream as approved by appropriate authority against the Patent Application No. 308.MUM/2002 dated 28/03/2003 was allowed on 15/12/2003.

Alteration of date U/S—16

191901 (676/CAL/96) Ante dated to 17-10-1990

191936 (540/MAS/96) Ante dated to 21st October, 1991

191937 (224/MAS/97) Ante dated to 20-07-1992.

191938 (273/MAS/2000) Ante dated to 05-07-1994.

191939 (990/MAS/2000) Ante dated to 25-1-95.

अभिगृहित पूर्ण विनिर्देश

एतद्वारा सूचना दी जाती है कि आवेदनों में किसी पर पेटेंट अनुदान का विरोध करने वाले इच्छुक व्यक्ति राजपत्र के इस निर्गमन की तिथि से चार महीने के भीतर या उक्त चार महीने की समाप्ति के पूर्व, प्ररूप 4 में यदि आवेदित किया हुआ हो, तो परवर्ती एक महीने के भीतर, किसी समय, नियंत्रक, पेटेंट को ऐसे विरोध की सूचना प्ररूप 7 में उपयुक्त कार्यालय में दे सकते हैं। विरोध का लिखित कथन साक्ष्य के साथ, यदि कोई हो, दो प्रतियों में उक्त सूचना के साथ या अगले दो महीने की अवधि के भीतर दाखिल किया जाए। इस संदर्भ में, यथा संशोधित पेटेंट अधिनियम, 1970 की धारा 25 एवं पेटेंट नियम, 2003 के नियम 55 से 57 का अवलोकन किया जा सकता है।

उपयुक्त कार्यालय द्वारा विनिर्देश एवं चित्र आरेख, यदि हो, के छायाप्रति की आपूर्ति छायाप्रति शुल्क के रूप में प्रति पृष्ठ रु. 4/- की अदायगी पर की जा सकती है।

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of a Patent on any of the Applications, may, at any time within four months from the date of this issue of Gazette or within further period of one month if applied for in Form 4 before the expiry of the said period of four months, give notice to the Controller of Patents at the Appropriate Office on Form 7 of such opposition. The Written Statement of Opposition accompanied by evidence, if any, should be filed in duplicate alongwith the said notice or within further period of two months. Section 25 of The Patents Act, 1970 as amended and Rules 55 to 57 of The Patents Rules, 2003 may be referred to in this regard.

Photo copies of the specification and drawings, if any, can be supplied by the Appropriate Office on payment of photocopying charges @ Rs. 4/- per page.

Ind.Cl : 32 (C) **191901**
Int.Cl⁷ : C 12 N 1/06; A 23 L 1/308; A 23 L 1/054
Title : METHOD OF PRODUCING A TOPICAL FORMULATION
Applicant : CPC INTERNATIONAL INC. OF INTERNATIONAL PLAZA, P.O BOX
8000, ENGLEWOOD CLIFFS, NEW JERSEY, U.S.A.
Inventor : RODERICK GREENSHIELDS.

Application no. 676/CAL/1996 FILED ON 12.4.1996
(CONVENTION NO. 9022560.8 FILED ON 17.10.1990 IN U.K)

(DIVIDED OUT OF NO. 794/CAL/91 ANTE-DATED TO 21.10.1991)

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003)

PATENT OFFICE KOLKATA.

2 CLAIMS.

A method of producing a topical formulation comprising mixing, with one or more other ingredients, such as herein described, yeast beta-glucan which predominantly comprises a multiplicity of yeast ghosts or shells having substantially uncollapsed yeast cell walls and which is substantially free of whole yeast cells as a fat substitute in the topical formulation.

Complete Specifications : 14 pages.

Drawings: 5 sheets

Ind.Cl : 191902
Int.Cl⁷ : H05B6/78 F 24 C 7/02
Title : MICROWAVE OVEN WITH TURNTABLE AND SWINGABLE ELECTRICAL HEATER
Applicant : DAEWOO ELECTRONICS CORPORATION, OF 686 AHYEON-DONG MAPO-GU, SEOUL, KOREA
Inventor : 1. KIM, BYEONG-JUN
2. KIM, JAE-SOO
3. MIN, SANG-KEE
4. CHOI, BYUNG-NAM
5. PARK, HYUNG-KI

Application no. 2030/CAL/1996 FILED ON 26.11.1996
(CONVENTION NO. 1995-54258 FILED ON 22.12.1995 IN KOREA.)

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003)

PATENT OFFICE KOLKATA.

9 CLAIMS.

A microwave oven with turntable and swingable electric heater comprising:

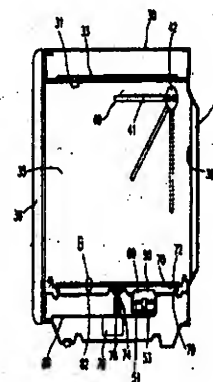
an upper heater (40) installed to an upper portion of a cooking chamber (35) located inside of the microwave oven for transmitting heat toward the centre of said cooking chamber (35), characterized by

a bracket (46) fixed to a side plate (96) of said cooking chamber (35) and formed with at least one lug (44, 45) at a predetermined position;

a bushing (42) fitted into said bracket (46) for being rotatable therein, and being received with said upper heater (40) piercing therethrough along a rotating shaft line;

a guiding plate (47) fixed to one plane of said bushing (42) for being rotatable with said bushing (42), and formed with a groove (43) in an area corresponding to said lug (44, 45); and

a lower heater (51) installed to lower plane of a bottom plate (82) of said cooking chamber (35) for transmitting heat to a turntable (70) installed within said cooking chamber (35).



Complete Specifications : 22 pages.

Drawings: 6 sheets

Ind. Cl. : 67 (C) 40 (C) 191903
Int.Cl⁷ : G 01 N 33/18, 28, 29/02, 27/00
Title : A METHOD FOR THE RAPID DETERMINATION OF A FLUID
CONDITION OCCURRING ON THE SURFACE OF A CONTAINED
CONTAINING SUCH FLUID
Applicant : 1. ONDEO NALCO ENERGY SERVICE, L.P OF 7701 HIGHWAY
90-A, SUGARLAND, TEXAS UNITED STATES OF AMERICA.
2. NALCO CHEMICAL COMPANY, OF ONE NALCO CENTER
NAPERVILLE, ILLINOIS, 60563-1998, U.S.A.
Inventor : 1. ROBERT D. MCCLAIN.
2. PAUL R. KRAUS.
3. MICHAEL K. POINDEXTER

Application no. 525/CAL/1997 FILED ON 25-03-1997
(CONVENTION NO. 08/621, 402 FILED ON 25.03.1996 IN UNITED STATES OF AMERICA.)
APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003)

PATENT OFFICE KOLKATA.

31 CLAIMS.

A method for the rapid determination of a fluid condition occurring on the surface
of a container containing such fluid, and for taking steps to correct such
condition which comprises the steps of:

- A. placing the quartz surface of the thickness-shear mode resonator device is
in contact with the fluid;
- B. continuously exciting the thickness-shear mode resonator device and
measuring the frequency shift and damping voltage components of the
thickness-shear mode resonator device output;
- C. continuously determining the condition of the quartz surface of the
thickness-shear mode resonator device based on the frequency shift and
damping voltage components; and then,
- D. continuously correcting the condition detected on the quartz surface of the
thickness-shear mode resonator device by taking an action from the group
consisting of:
 - i. activating or deactivating a chemical feed pump applying a
condition correcting chemical to the fluid;
 - ii. increasing the flow of fluid out of the system; or,
 - iii. decreasing the flow of fluid out of the system

The method of Claim 1 wherein the quartz surface of the thickness-shear mode
resonator device is placed on the surface of the container containing such fluid.

Complete Specifications : 46 pages.

Drawings: NIL sheets

Ind.Cl : 206, 173 A 191904

Int.Cl⁷ : C 23C 14/22 , H 04 R 17/00 B 41 J 2/14, 2/16

Title : DROPLET DEPOSITION APPARATUS

Applicant : XAAR LIMITED, OF 2, SCIENCE PARK, MILTON ROAD, CAMBRIDGE
CB4 4FD, UNITED KINGDOM

Inventor : 1. STEPHEN TEMPLE.
2 JAMES ASHE
3 CHRISTOPHER DAVID PHILLIPS

Application no. 700/CAL/1997 FILED ON 22.04.1997
(CONVENTION NOS. 9608373.8 AND 9624408.2 FILED ON 23.4.1996 AND ON 23.11.1996 IN UK)
APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003)

PATENT OFFICE KOLKATA.

17 CLAIMS.

Droplet deposition apparatus comprising:

a bottom sheet comprising piezo-electric material and formed with a multiplicity of parallel, open-topped channels mutually spaced in an array direction, normal to the length of the channels, each channel being defined at least in part by facing side walls and by a bottom surface extending between said side walls;

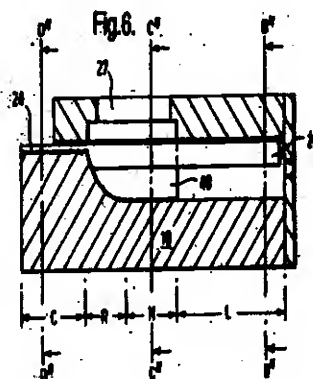
at least the side walls comprising said piezo-electric material and electrodes for applying an electric field to said piezo-electric material, thereby to effect transverse displacement of said side wall;

a top sheet facing said bottom surfaces of said channels and bonded to said side walls to close said channels at the tops thereof;

the channels being supplied with droplet fluid and communicating with a nozzle for ejection of droplets therefrom; each channel having one portion open on a side lying parallel to the channel axis for communication with droplet fluid supply means and another portion which is closed on all sides lying parallel to the channel axis;

characterised in that

the respective side walls comprising said piezo-electric material in said one portion of each channel are disabled such that transverse displacement of said side walls in said one portion of each channel does not take place.



Complete Specifications : 30 pages.

Drawings: 7 sheets

Ind.Cl : 186 E

191905

Int.Cl⁷ : H04N 5/167, 5/91

Title : AN APPARATUS FOR MODIFYING A VIDEO SIGNAL TO
INHIBIT THE MAKING OF ACCEPTABLE VIDEO TAPE
RECORDING THEREFROM

**Applicant : MACROVISION CORPORATION, OF 1341, ORILEASNS DRIVE
SUNNYVALE, CALIFORNIA 94089, UNITED STATES OF AMERICA.**

Inventor : OLIVER JOHN RYAN

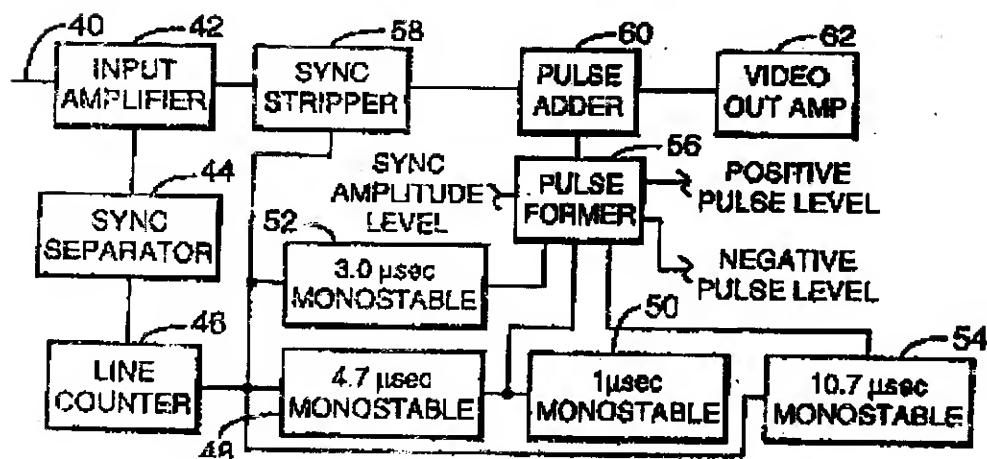
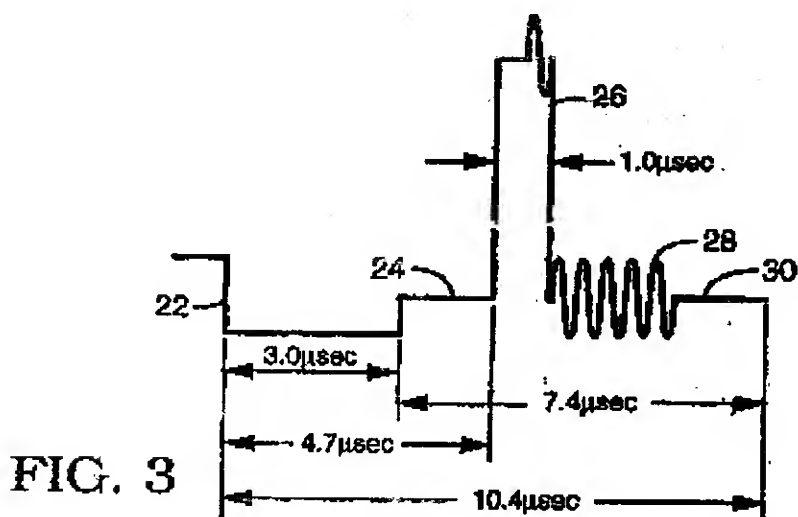
Application no. 828/CAL/1997 FILED ON 07.05.1997

(CONFIDENTIAL NO. 60/017,859 FILED ON 08.05.1996 IN UNITED STATES OF AMERICA.)

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003)

PATENT OFFICE KOLKATA

19 CLAIMS.



An apparatus for modifying a video signal so as to inhibit the making of acceptable video tape recordings therefrom while at the same time allowing the video signal to produce a substantially normal picture on a television monitor/receiver, wherein video lines of the video signal contain a sync pulse followed by a back porch interval, said apparatus comprising:

line counting means for selecting one or more video lines within said video signal;

a logic circuit responsive to the line counting means for providing sync pulses of narrowed width on the selected video lines, said logic circuit providing selected voltage amplitudes during selected portions of the back porch interval on the selected video lines;

pulse forming means responsive to the logic circuit for lowering the voltage amplitude of a first portion of the back porch interval, raising a voltage amplitude of a second portion of the back porch interval, and lowering the voltage amplitude of a third portion of the back portion interval;

adder means coupled to the pulse forming means for inserting the narrowed sync pulses, and for adding the voltage amplitudes output from the pulse forming means, to the selected video lines of the video signal;

whereby the normal position of a color burst relative to the leading edge of said narrowed sync pulses is caused to be retained; and a sufficient number of the video lines are caused to be modified to inhibit the making of acceptable video recordings therefrom.

Complete Specifications : 14 pages.

Drawings: 4 sheets

Ind.Cl : 191906

Int.Cl⁷ : C01B 33/12, 33/93, H01M2/16

Title : A PROCESS FOR PREPARING AN AMORPHOUS PRECIPITATED SILICA

Applicant : PPG INDUSTRIES OHIO INC, OF 3800 WEST 143RD STREET, CLEVELAND, OHIO 44111, UNITED STATES OF AMERICA.

Inventor : 1. JAMES L. BOYER.
2. THOMAS G. KRIVAK.

Application no. 860/CAL/1997 FILED ON 13.05.1997

(CONVENTION NO. 08/657731 FILED ON 31.05.1996 IN UNITED STATES OF AMERICA.)

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003)

PATENT OFFICE KOLKATA.

8 CLAIMS.

A process for preparing an amorphous precipitated silica wherein the amorphous precipitated silica has:

- (i) a BET surface area in the range of from 60 to 200 m²/g;
- (ii) a CTAB surface area in the range of from 40 to 150 m²/g;
- (iii) a DBP oil absorption in the range of from 180 to 300 cm³/100g;
- (iv) a mean ultimate particle size in the range of from 20 to 30 nm;
- (v) a total intruded volume in the range of from 2.5 to 4 cm³/g;
- (vi) an intruded volume in the range of from 0.3 to 1.2 cm³/g for pores having diameters in the range of from 20 to 100nm; and
- (vii) a pore diameter at the maximum of the volume pore size distribution function in the range of from 30 to 200nm,

the process comprising the steps of:

- (a) establishing an additive aqueous sodium silicate solution containing from 50 to 120 grams Na₂O per liter and having an SiO₂:Na₂O molar ratio of from 3 to 3.4;
- (b) establishing an initial aqueous sodium silicate solution containing from 50 to 120 grams Na₂O per liter and having an SiO₂:Na₂O molar ratio of from 3 to 3.4;
- (c) adding water to a reactor below the water level in the reactor;
- (d) adding initial aqueous sodium silicate solution and water to the reactor with agitation to establish a second

aqueous sodium silicate solution containing from 1.5 to 7 grams Na_2O per liter and having an $\text{SiO}_2:\text{Na}_2\text{O}$ molar ratio from 3 to 3.4;

- (e) injecting steam into the second aqueous sodium silicate solution to form a third sodium silicate solution at a temperature in the range of from 91°C to 100°C ;
- (f) over a period of 90 minutes while maintaining the temperature in the range of from 91° to 100°C , adding acid and additive sodium silicate solution with agitation to the third aqueous sodium silicate solution such that the Na_2O concentration remains in the range of from 1.5 to 7 grams Na_2O per liter and such that from 2 to 26 times as much sodium silicate is added as was present in the third sodium silicate solution;
- (g) optionally aging the reaction mixture for from 0 to 130 minutes;
- (h) adding acid until the pH of the reaction mixture is in the range of from 3 to 4.5;
- (i) filtering and washing to a final sodium sulfate concentration of 2 percent by weight or less on a dry weight basis; and
- (j) drying the washed amorphous precipitated silica.

Ind.CI : 69 (A) 191907

Int.Cl⁷ : H01H9/30

Title : SWITCHING-CONTACT SYSTEM OF A LOW-VOLTAGE POWER CIRCUIT-BREAKER.

Applicant : SIMENS AKTIENGESELLSCHAFT
OF WITTELSBACHERPLATZ 2, 80333 MUNCHEN GERMANY

Inventor : SEZAI TUERKMEN

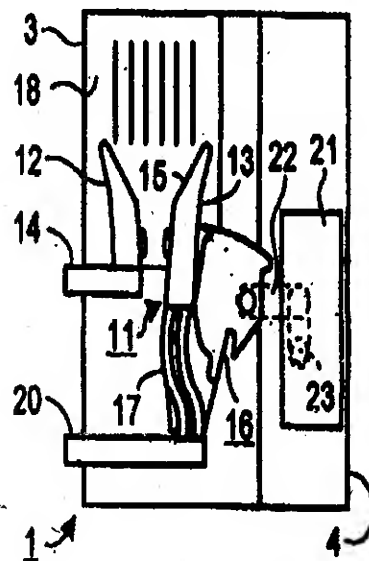
Application no. 1172/CAL/1997 FILED ON 19.6.1997
(CONVENTION NO. 19626467.7 FILED ON 21.06.1996 IN GERMANY.)

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003)

PATENT OFFICE KOLKATA.

8 CLAIMS.

Switching – contact system (11) of a low-voltage power circuit-breaker (1), having a busbar and cable-shaped, flexible conductors (17, 25,40), fastened to the busbar (20, 26,41), for connecting the busbar (20, 26,41) to a movable switching contact (13), characterized in that the flexible conductors (17, 25,40) are held between a connecting surface (30, 42) of the busbar (26, 41) and an end piece (27, 44) connected to the busbar (26, 41), in that the end piece (27,44) bears against the connecting surface (30, 42) of the busbar (26, 41) with at least one contact surface (33, 48), and in that the busbar (26, 41), the end piece (27, 44) and the flexible conductors (25, 40) are permanently connected to one another by the action of heat (37, 55).



Complete Specifications : 21 pages.

Drawings: 4 sheets

Ind.Cl : 32 **191908**
Int.Cl⁷ : C07D 307/92
Title : PROCESS FOR PREPARATION OF 12-ACETOXY NORLABDANE OXIDE
Applicant : QUEST INTERNATIONAL B.V OF HUIZERSTRAATWEG 28,
1411 GP NAARDEN, THE NETHERLANDS.
Inventor : 1. NICOLAS PAUL DAVEY.
2. SIDNEY LAURENCE PAYNE.
3. TSE CHI-LAM
Application no. 1256/CAL/1997 FILED ON 30.06.1997

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003)

PATENT OFFICE KOLKATA.

14 CLAIMS.

Process for preparing 12-acetoxy-nonlabdane oxide from sclareol oxide which comprises the steps of :

- I. Converting sclareol oxide to 12-acetylnorlabdane oxide by oxidation with an organic hydroperoxide such as herein described;
- II. Converting 12-acetylnorlabdane oxide to 12-acetoxy-nonlabdane oxide by oxidation with an organic peracid such as herein described.

Complete Specifications : 13 pages.

Drawings: NIL

Ind.Cl : 147 B 191909

Int.Cl⁷ : F 16 H 3/12. F 16 D 65/34

Title : AN IMPROVED BALL RAMP COUPLING MECHANISM

Applicant : EATON CORPORATION, OF 1111 SUPERIOR AVENUE, CLEVELAND, OHIO 44114-2584, UNITED STATES OF AMERICA..

Inventor : 1. RICHARD ALAN DAVIS.
2. NEAL THOMAS RILEY.

Application no. 1296/CAL/1997 FILED ON 09.07.1997

(CONVENTION NO. 08/681, 255 FILED ON 22.7.1996 IN UNITED STATES OF AMERICA.)

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003)

PATENT OFFICE KOLKATA.

9 CLAIMS.

An improved ball ramp coupling mechanism comprising:

a rotating input shaft (6) driven by a prime mover and rotating about an axis of rotation;

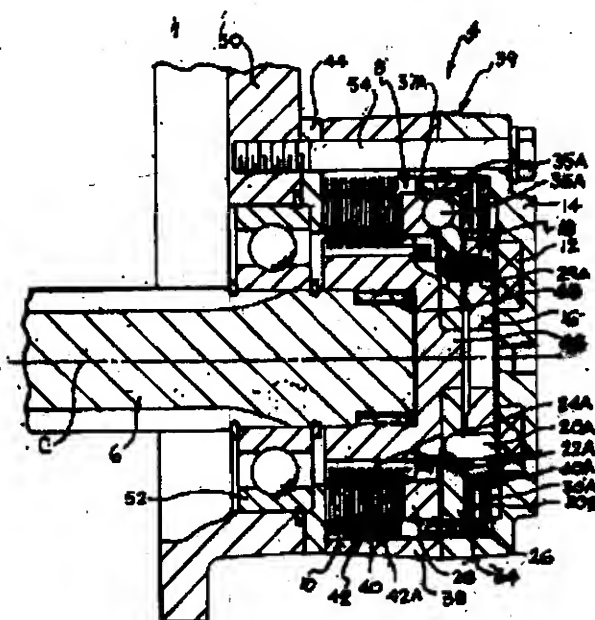
an inertia brake housing (38) partially surrounding said input shaft (6);

a clutch pack (10) comprised of a plurality of stationary clutch plates (42) coupled to said brake housing (38) interdigitated with a plurality of driven clutch plates (40) coupled to said input shaft (6);

a ball ramp actuator (8) for generating an axial movement comprising: an annular control ring (26) having an axis of rotation along said axis of rotation of said input shaft (6) and having at least two circumferential control grooves (35A,35B) formed in a first face of said control ring (26), said control grooves varying in axial depth, an equivalent number of rolling elements (26A,36B) one occupying each of said control grooves, an actuation ring (28) having an axis of rotation along said axis of rotation of said input shaft (6), said actuation ring (28) having at least two actuation grooves (37A,37B) substantially identical in number, shape and radial position as said control grooves (35A,35B) in said control ring (26) where said actuation grooves (37A,37B) at least partially oppose said control grooves (35A,35B) and where each of said rolling elements (36A,36B) is

trapped between said actuation ring (28) and a respective at least partially opposed control ring (26), said control ring (26) axially and rotationally movably disposed relative to said actuation ring (28), said actuation ring (28) loading said clutch plate (10);

an armature (16) nonrotatably linked to said control ring (26) with a plurality of tapered pins (20A, 20B, 20C), said tapered pins engaging a plurality of corresponding conical cavities (22A, 22B, 22C), said armature (16) applying a rotational braking force on said control ring (26) to activate said ball ramp actuator (8) and a coil (12) for creating a magnetic field in said armature (16) thereby magnetically forcing said armature (16) into frictional contact with said inertia brake housing (38) to apply a rotational braking force on said armature (16).



Ind.Cl : 12 C 191910

Int.Cl⁷ : C 21 D 1/63; 1/84

Title : A SYSTEM FOR ACCELERATED COOLING OF HOT ROLLED COILS OF STEEL STRIP.

Applicant : STEEL AUTHORITY OF INDIA LIMITED, OF ISPAT BHAWAN, LODI ROAD, NEW DELHI - 110 003, INDIA.

Inventor : 1. MADHU RANJAN.
2. PRAMOD KUMAR PRUSTY.
3. PARTHA PRATIM SENGUPTA.
4. GANTI MAHAPATRUNI DAKSHINA MURTY.
5. SUDHAKER JHA.

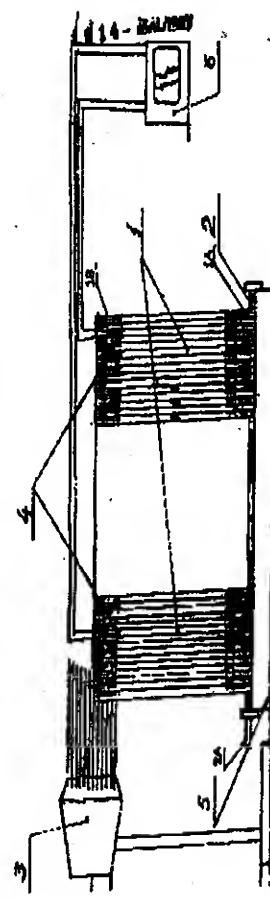
Application no. 1914/CAL/1997 FILED ON 14.10.1997

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003)

PATENT OFFICE KOLKATA.

4 CLAIMS.

A system for accelerated cooling of hot rolled coils of steel strip, characterised in that the system comprises a tray (5) with the flat side thereof disposed in a horizontal plane and inside thereof filled with water upto a depth (2) of 3-10% of the axial height of the coils, an inlet pipe (not shown) for supplying cooling water to the tray, an outlet (2A) for discharge of water from the tray, a number of hot rolled coils (1) placed in the tray with the axes thereof directed in the vertical direction and bottom part (1A) dipped in the water contained in the tray, a blower (3) for blowing a strong convection current of air at the axial upper part (1B) of the coils, thermocouples (4) inserted one into each coil, and a temperature recorder (6) connected to the thermocouples, the said components being arranged for functioning in an inter-dependent manner for accelerated cooling of said coils of steel strip.



Complete Specifications : 6 pages.

Drawings: 1 sheets

Indian Classification : 5 D 191911
4
International Classification : A 01C 7/00
Title : "AN ANIMAL DRIVEN AGRICULTURAL APPARATUS FOR PERFORMING AGRICULTURAL FUNCTIONS."
Applicant : Mr. Rudramunishwar Sivashankarappa Bilgi an Indian National of 12, Tilak Khand, Giri Nagar, New Delhi-110 019.
Inventors : RUDRAMUNISHWAR SIVASHANKARAPPA BILGI- INDIA.
Kind of Application : COMPLETE

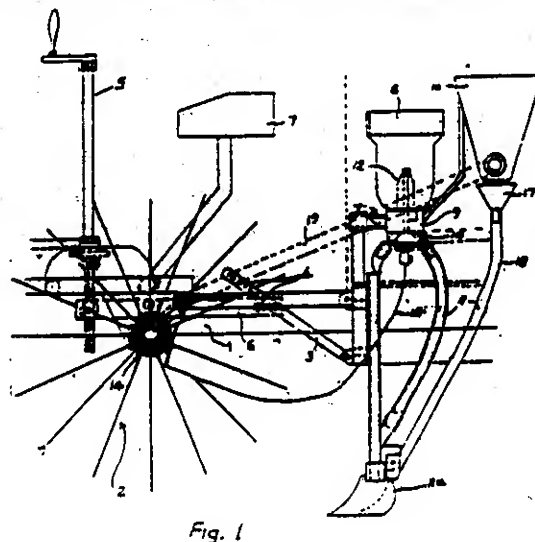
Application for Patent Number 312/DEL/95 filed on 24-02-95.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Branch, New Delhi – 110 008.

(5 Claims)

An animal driven agricultural apparatus for performing agricultural functions comprising a main frame (1) supported on a pair of wheels (2) provided on either sides of the main frame (1), a hand operated rod (5) being provided in the middle of main frame (1) to provide up and down movement to the supporting frame, a seat (7) is provided towards the rear end of the main frame for supporting operator/farmer, a connecting rod being provided at the front end of the main frame so as to connect the apparatus with the animal characterized in that sowing means to be connected at the rear end of said main frame and provided for facilitating the flow of seeds and fertilizer during the operation of the apparatus.

(Complete Specification Pages 9 Drawing Sheets -3)



Indian Classification 40 F 191912

International Classification⁴ C01 D 3/04

Title "An improved process for the recovery of sodium chloride containing low Ca^{++} impurity from sea brine."

Applicant Council of Scientific and Industrial Research, Rafi Marg, New Delhi-110001, India, an Indian registered body incorporated under the Registration of Societies Act (Act XXI of 1860).

Inventors JITENDRA RAMANLAL SANGHAVI - INDIA.
MAHENDRA HIRJIBHAI VYAS - INDIA.
HARSHAD NATVARIAL SHAH - INDIA.
RAMESHCHANDRA SHANTILAL VAIDYA - INDIA.
MAHESH KUMAR RAMNIKLAL GANDHI - INDIA.
RAHUL JASVANTRAI SANGHAVI - INDIA.
JASVANTI MOHANLAL PAREKH - INDIA.

Kind of Application PROVISIONAL/COMPLETE

Application for Patent Number 315/Del/1995 filed on 24/02/1995

Complete left after Provisional Specification filed on :24/02/1995 Complete filed on : 16/05/1996

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent.
Office, New Delhi Branch - 110 008.

(Claims 3)

An improved process for the recovery of sodium chloride containing low Ca^{++} impurity from sea brine which comprises introducing sea brine into series of concentrating ponds, conventionally called reservoir & condenser till brine density reaches $25.5^{\circ} Be'$ adding to the said brine to a polysaccharide in concentration in the range of 50-150 ppm to obtain the brine starch mixture, evaporating the said brine starch mixture in a crystallizer pond to get crystals of sodium chloride containing Ca^{++} impurity in the range of 0.07-0.1 percent.

Provisional Specification	No of Pages	6	Drawings Sheets	
Complete Specification	No of Pages	14	Drawings Sheets	Nil

Indian Classification : 14 C 191913
4
International Classification : H01 M 10/44
Title : "AN APPARATUS FOR CONTROLLING RECHARGING OF AN INDIVIDUAL BATTERY PACK."
Applicant : ERICSSON GE MOBILE COMMUNICATIONS INC., a corporation organised under the laws of the State of Delaware, United States of America, of One Triangle Drive, Research Triangle Park, North Carolina 27709, United States of America.
Inventors : NILS RUTGER CARL RYDBECK – U.S.A.
PETER HOLMQVIST – SWEDEN &
MAGNUS HANSSON – SWEDEN.
Kind of Application : COMPLETE

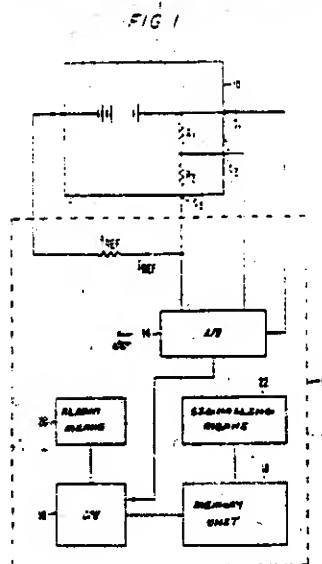
Application for Patent Number 322/DEL/95 filed on 28-02-95.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Branch, New Delhi – 110 008.

(28 Claims)

An apparatus for controlling recharging of an individual batter pack comprising:
identifying means for identifying an individual battery pack;
supervising means for selectively allowing and preventing recharging of said individual battery pack responsive to said identifying means, said supervising means comprising means for determining remaining useful life of said battery pack depending on a number of charging cycles performed on said battery pack identified by said identifying means and a level of discharging of said battery pack at each discharging cycle;
circuit means connected to said battery pack for allowing recharging of said battery pack; and
means for short-circuiting said circuit means to prevent said battery pack from being recharged responsive to said determining means.

(Complete Specification Pages 22 Drawing Sheets – 5)



Indian Classification : 170 D 191914

International Classification⁷ : C 11 D 1/831

Title : "A MILD HIGH LATHERING DETERGENT COMPOSITIONS".

Applicant : THE PROCTER & GAMBLE COMPANY, a corporation organized and existing under the laws of the State of Ohio, United States of America of one Procter & Gamble Plaza, Cincinnati, State of Ohio 45202, U.S.A.

Inventors : JOHN DOWNING CURRY – US

Kind of Application : CONVENTION/COMPLETE

Application for Patent Number 1067/del/95 filed on 12.6.95.

CONVENTION APPLICATION NO.

08/440,897/US/25.5.1995

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Branch, New Delhi – 110 005.

(7 Claims)

A mild, high lathering detergent compositions comprising, by weight:

- (a) from 10% to 40% anionic surfactant comprising one or more anionic surfactants selected from the group consisting of C₁₀-C₁₄ linear or branched alkylbenzene sulfonate and C₁₀-C₁₈ alkyl sulfate.
- (b) from 3% to 30% nonionic polymeric mildness aid material selected from nonionic homopolymers and copolymers consisting of ethylene oxide and/or propylene oxide.
- (c) from 1% to 15% non-ionic lather builder selected from betaines, fatty acid amides including polyhydroxy fatty acid amides, amine oxides, fatty alcohols, and mixtures thereof, and balance being other optional components as hereindescribed.

(COMPLETE SPECIFICATION 23 PAGES

DRAWING SHEET-NIL)

Indian Classification :- 64 B 1915

International Classification :- H 01R 13/73

Title :- "Panel-Mounted Connector"

Applicant :- The Whitaker Corporation, of State of Delaware, United States of America, of 4550 New Linden Hill Road, Suite 450, Wilmington, Delaware 19808, United States of America.

Inventors :- SATORU - SHINDOH - JAPAN

Application for Patent Number 1143/del/1995 filed on 19/06/1995

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, New Delhi Branch - 110 008.

(Claims 07)

A panel-mounted connector comprising a dielectric housing to be inserted in an opening of a panel, lugs extending from side surfaces of said housing near a rear portion of the housing to prevent the housing from being inserted past the panel, spring-loaded latching arms on opposing sides of said housing having means to prevent movement of the connector in relation to the panel and spring-loaded depression arms provided on other opposing sides of the housing, said depression arms being provided with means to prevent movement of the connector in relation to the panel.

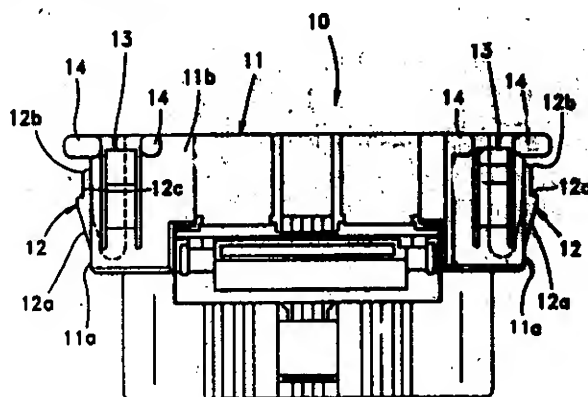


Fig. 1

Indian Classification :- 50 D 191916

International Classification :- F 25 D 16/00

Title :- "A DEFROSTER DEVICE FOR A REFRIGERATION EQUIPMENT"

Applicant :- MAHENDRAKUMAR NYALCHAND SHAH, of A-19, HIG D.D.A Flats, Saket, New Delhi-110017.

Inventors :- MAHENDRAKUMAR NYALCHAND SHAH - INDIA

Kind of Application :- PROVISIONAL/COMPLETE

Application for Patent Number 1285/del/1995 filed on 10/07/1995

Complete left after Provisional Specification filed on: 10/10/1996

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, New Delhi Branch - 110 008.

(Claims 03)

A defroster device for a refrigeration equipment comprising a housing having power supply means; at least one module; means for fixing door sensor and temperature sensor in the said refrigeration equipment; means to connect/disconnect mains power source to the said refrigeration equipment, wherein the said module having door sensor (1) to sense the opening and closing of the door, said door sensor (1) connected to first comparator (2), the output of said first comparator (2) connected to timer (3) and second comparator (8); a temperature sensor (6) connected to temperature comparator (7) generating signals and feeding to second comparator (8); said timer (3) connected to the outputs of said second comparator (8), said first comparator (2) and power reset circuit (9); output of said timer (3) connected to compressor switch (4) with a circuit for connecting and disconnecting compressor (5) from the mains power source on receiving signals from the said timer (3).

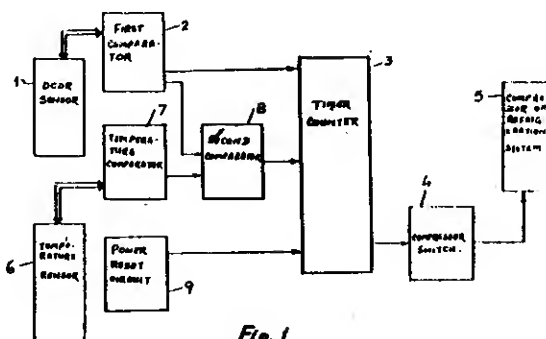


Fig. 1

Provisional Specification	No of Pages	04	Drawings Sheets	nil
Complete Specification	No of Pages	13	Drawings Sheets	04

Indian Classification :- 134 D 191917

International Classification⁷ :- F 16 H 1/00

Title :- "A Transmission Device for vehicle and a method for controlling the same"

Applicant :- Antonov Automotive Technologies B.V., of Dutch company of Weena 373 3013 A1 Rotterdam, Netherlands.

Inventors :- ROUMEN ANTONOV - France

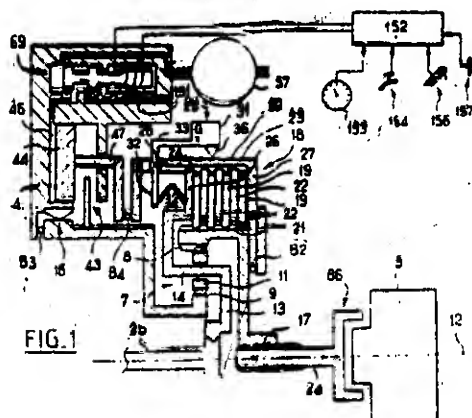
Kind of Application :- COMPLETE

Application for Patent Number 1554/del/1995 filed on 21/08/1995

Appropriate office for opposition proceedings (Rule 4, Patents Rules 2003) Patent Office, New Delhi Branch - 110 008.

(Claims 34.)

A transmission device for a vehicle comprising a combination of intermeshed sets of teeth (7) and a friction coupling means (18) in which a movable engaging member (20) is acted upon by antagonistic force application means (29,34,44,B2), at least one of the antagonistic force application means applying onto the movable engaging member a force which is measurement of an operating parameter which is relevant for automatic selection of the transmission ratio, the combination of teeth producing two different transmission ratios depending on the friction coupling means in a coupled state or in an uncoupled state, characterized by shock-absorbing means (151,171, 172) mounted for braking some at least of the movements of the movable engaging member (20) between the coupled and uncoupled states of the friction coupling means (18).



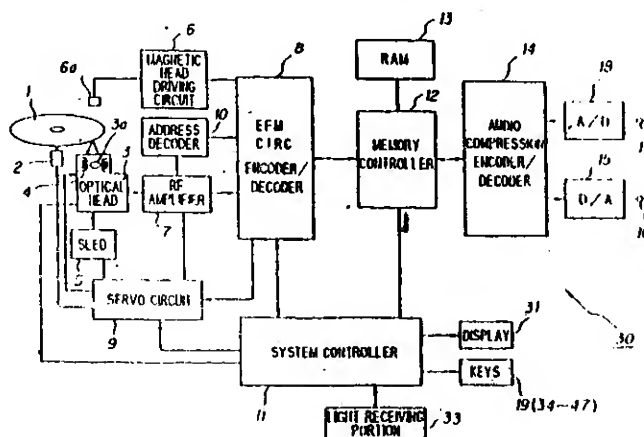
Indian Classification	-	147 E, 147 G	191918
International Classification ⁷	-	G11 B7/00, G11 B20/12, G09 G5/22, G11 B23/36	
Title	-	"APPARATUS FOR RECORDING ON AND/OR REPRODUCING FROM A RECORDING MEDIUM"	
Applicant	-	SONY CORPORATION, of 7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo, Japan.	
Inventors	-	ATSUSHI KITAYAMA - JAPAN	
Kind of Application	-	COMPLETE	
Application for Patent Number	1748/del/1995	filed on	22/09/1995

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, New Delhi Branch - 110 008.

(Claims 03)

An apparatus for recording on and/or reproducing from a recording medium having a code area in which character code data for outputting character information associated with the information recorded in a recording medium can be recorded, comprising : - an input means (19 or 34-47) for inputting character information; - a conversion means (11) for converting each character in the character information input by said input means into character code data, said conversion means adding an identifier to the character code data during the conversion, said identifier indicating that the type of the characters in a character string in the character information input by said input means is different from that of the character string precedent thereto; and - a recording means (6a, 3) and/or reproducing means (3) to which the character code data from said conversion means which is supplied for recording and/or reproducing information and character code data on and/or from the recording medium.

FIG. 4



Indian Classification	99 E. 136 E	191919
International Classification ⁷	B 29 C 049/18	
Title	" A BLOW MOLDING APPARATUS FOR FORMING A HEAT-RESISTANT CONTAINER "	
Applicant	NESSEI ASB MACHINE CO., LTD., of 4586-3 Koo, Komoro-shi, Nagano-ken, Japan.	
Inventors	MINORU TAKADA - JAPAN KOICHI SATO - JAPAN KAZUYUKI YOKOBAYASHI - JAPAN KAZUYA KITAMURA - JAPAN ATSUSHI SAKURAI - JAPAN	
Kind of Application	COMPLETE/CONVENTION	
Application for Patent Number	1940/del/1995	filed on 24/10/1995

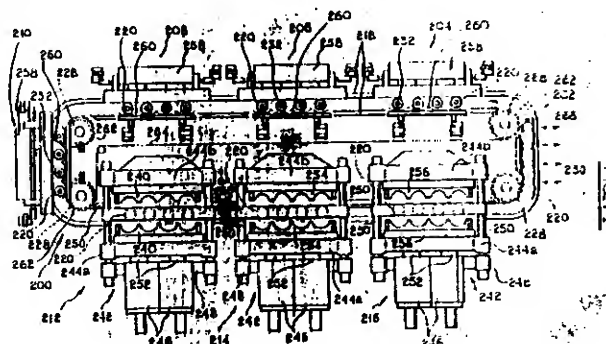
Convention Application no. 7-267725/JP/21.07.1995

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, New Delhi Branch - 110 008.

(Claims 16)

A blow molding apparatus for forming a heat-resistant container, the apparatus comprising: - a primary molding section (212) for blow-molding a preform into a primary molding, the primary molding section (212) including a primary blow mold (240) having split molds with inner walls defining a cavity; - a heat treatment means (214) for heat treating the primary molding at a temperature which progresses crystallization thereof; - a final molding section (216) for blow-molding the intermediate molding into the heat-resistant container, the final molding section (216) including a heated final blow mold (256) having split molds with inner walls defining a cavity, characterized in that - the cavity of the primary blow mold having an axial length greater than the axial length of the heat-resistant container; - The heat treatment means (214) provided with a heat treatment mold (254) having split molds with inner walls defining a cavity, heating means as herein described for enabling heating the split molds and pressurizing means as herein described for enabling pressurizing of an interior of said primary molding within the heat treatment mold, maintaining contact of said primary molding with the inner walls of the split molds while the split molds are heated to heat treat said primary molding and for removing residual stress produced therein, said cavity of said heat treatment mold (254) having a configuration substantially equal to that of the primary blow mold (240) and different from the outer surface of the heat-resistant container; - the cavity of the final blow mold (256) with an axial length which is less than the axial length of the primary blow mold (240) and heat treatment mold (254); and - a conveyor means (200) for conveying the preform to the primary molding section (212), the primary molding to the heat treatment section (214) and the intermediate molding to the final molding section (216), respectively.

Complete Specification	No of Pages	56
Drawings Sheets	17	



Indian Classification	:- 40 F, 32 C	191920
International Classification	:- B 01 J 7/02, B 01 J 19/28, B 01 J 8/10 C 07 C 29/70, C 07 C 31/32.	
Title	:- "An Apparatus used in a reactor for bringing Solids in the Form of Pourable pieces "	
Applicant	:- SASOL GERMANY GMBH, of Anckelmannsplatz 1, 20537 Hamburg, Germany.	
Inventors	:- GERT ALBERT - GERMANY	
Kind of Application	:- COMPLETE .	
Application for Patent Number	1962/del/1995	filed on 26/10/1995

Appropriate office for opposition proceedings (Rule 4, Patents Rules 2003) Patent Office , New Delhi Branch - 110 008.

(Claims 18)

An apparatus used in a reactor for bringing solids in the form of pourable pieces into contact with fluids or for bringing solids into contact with fluids and gases in a reactor by guiding the reactants together, the said reactor comprising a reactor housing with a screen support in the reactor housing and a screening support in the area of which contacting takes place characterized in that

- the screening support is constructed as a rotating screen drum (5);
- the screening drum (5) is when in operation, rotatable in a bottom tank (10) in which there is a gaseous or liquid medium which reacts with the solids; and
- the bottom tank (10) is lowered by lowering means until such time as the solid pieces in screening drum (5) and the medium in the bottom tank (10) is separated from each other in order to vary the degree of or to interrupt the chemical reaction or the physical process by the lowering of the bottom tank (10).

Complete Specification No of Pages 19
 Drawings Sheets 04



Indian Classification : 131 C 191921
 4
 International Classification : B63G 6/00
 Title : "MINE SOWING AND BURYING MACHINE
 FOR THE RAPID MINING OF FIELDS
 AGAINST TANKS."
 Applicant : EXPLOSIVOS ALAVESES, S.A., of Vitorialanda,
 4 01010 Vitoria, Spain.
 Inventors : CARLOS SINTORA CUE - SPAIN &
 JOSE ANGEL IBARRETA MANELLA - SPAIN.
 Kind of Application : COMPLETE

Application for Patent Number 167/DEL/89 filed on 21-02-89.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Branch, New Delhi - 110 008.

(4 Claims)

A mine sowing and burying machine for the rapid mining of fields against tanks which comprises:

a support frame (1) for connection to a wheeled vehicle or caterpillar for transport thereof, a mine conveyor device (4) mounted on said frame (1) for conveying mines (5) placed thereon to a downwardly inclined ramp (6), a hydraulically actuated combination of a cutting wheel or disc (9) and coulter (8) movable from a retracted non-use transportation position against said frame to a position of use in contact with the ground in which said disc (9) precedes said coulter (8) in order to cut roots and prepare the ground and said coulter (8) which follows opens a furrow in the prepared ground, the end of said downwardly inclined ramp (6) being in alignment with and disposed adjacent said cut furrow whereby mines (5) fed by said conveyor (4) to said ramp (6) are deposited at predetermined distances within said furrow, hydraulically actuated furrow closing and camouflaging means (11, 12, 13) provided at the rear end of said frame (1) and articulated thereto whereby said means (11, 12, 13) movable from a retracted non-use transportation position against said frame (1) to a position of use in contact with the ground in which said means (11, 12, 13) closes up the furrow, buries the laid mines and conceals them, the rear end of said frame downstream of said furrow closing and camouflaging means being provided with an actuator element for actuating the respective electronic circuits of the laid and camouflaged mine said machine incorporating a conventional control system for controlling operation of the several components thereof by means of a programmable robot.

(Complete Specification Pages 8
 Drawing Sheets -2)

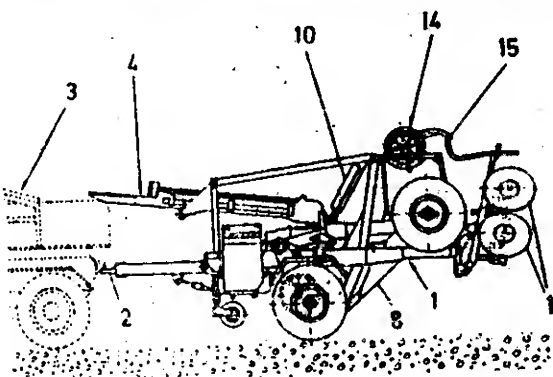


FIG. 1

Indian Classification	:	32 C.	191922
International Classification ⁴	:	C07D 239/86.	
Title	:	"A PROCESS FOR THE PREPARATION OF N, N'-(bis(1-aryl-6-hydroxy-hex-2-ene-1-one-3-yl)-1,n-alkanediamines".	
Applicant	:	COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, Rafi Marg, New Delhi-100 001, India, an Indian registered body incorporated under the Registration of Societies Act (Act XXI of 1860).	
Inventors	:	SANJAY BATRA AMIYA PRASAD BHADURI BHAWANI SHANKAR JOSHI RAJA ROY RAMESH CHANDER ASHOK KUMAR KHANNA SHAKTI KITCHLU PURSHOTTAM KISHORE MEHROTRA ALL INDIAN.	
Kind of Application	:	COMPLETE	

Application for Patent Number 808/DEL/2000 filed on 06/09/2000.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Delhi Branch, New Delhi – 110 008.

(04 Claims)

A process for the preparation of N,N'-(bis(1-aryl-6-hydroxy-hex-2-ene-1-one-3-yl)-1,n-alkanediamines of the formula II of the drawing accompanying the specification wherein R=hydrogen,alkyl,alkoxy,hydroxy or halogen, n=1 to 8 which comprises;

- i) reacting compounds of formula I of the drawing accompanying the specification wherein R is as mentioned above with 1,n-dialkaneamine in the presence of Lewis acid as herein described in a nonpolar organic solvent as herein described at a temperature in the range of 5-50 ° C for a period in the range of 3-24 hrs, to obtain reaction mixture,
- ii) decomposing and extracting the said reaction mixture by known methods such as herein described to obtain the product.

Indian Classification : 25 B 191923
4
International Classification : C04 B 24/00
Title : "A PROCESS FOR MAKING SYNTHETIC
GRANITE TILES."
Applicant : Bharat Heavy Electricals Limited BHEL House Siri
Fort, New Delhi 110 049.
Inventors : BUKKAINAKERE KAPANIPPHAIYA
CHANCRASEKHAR – INDIA.
Kind of Application : PROVISIONAL / COMPLETE

Application for Patent Number 0825/DEL/95 filed on 05-05-95.

Complete left after provisional filed on 15.04.96

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office
Branch, New Delhi – 110 008.

(3 Claims)

A process for making synthetic granite tiles comprises mixing flyash as the main raw material with amount of known binders and plasticizers characterized in that the flyash content in said raw material is present in an amount of 70 to 95% by weight, and the mix is moulded into tiles of predetermined sizes and fired at a temperature in the range of 1100°C-1300°C and polished to mirror finish.

(Complete Specification Pages 8 Drawing Sheets -Nil)

Provisional specification Pages 3 Drawing sheet- Nil

Indian Classification	:	182 C.	191924
International Classification ⁴	:	C07F9/00; A 61K 31/00.	
Title	:	"A process for the preparation of 2, 4(6) –di-O-acyl-6(4)-O-sulphonyl-myo-inositol-1,3,5-orthoformates".	
Applicant	:	COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, Rafi Marg, New Delhi-100 001, India, an Indian registered body incorporated under the Registration of Societies Act (Act XXI of 1860).	
Inventors	:	SHASHIDHAR MYSORE SRIKANTIAH TANYA DAS-BOTH INDIAN.	
Kind of Application	:	COMPLETE	

Application for Patent Number 909/DEL/2000 filed on 06/10/2000.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Delhi Branch, New Delhi – 110 008.

(04 Claims)

A process for the preparation of 2,4(6)-di-O-acyl-6(4)-o-sulphony-myo-inositol-1,3,5-orthoformates of formula 1 wherein R¹ is alkyl and R² is alkyl or aryl, which comprises of reacting 2,4 (6) –di-O-benzoyl –6(4)-O-sulphonyl-myo-inositol-1,3,5-orthoformates of formula 2 of drawing accompanying this specification wherein R is alkyl or aryl, with a primary amine as defined herein in a hydroxylic solvent to get a residue and subsequent acylation of obtained residue at ambient temperature using an acylating agent such as herein described in presence of a tertiary amine as defined herein, separating the product of formula 1 by conventional methods as herein described followed by purification by conventional column chromatography.

(Complete Specification Pages 06 Drawing 01 Sheet)

Indian Classification	:	86 A	191925
International Classification ⁴	:	A 47 F 5/00	
Title	:	"AN ADJUSTABLE MOUNTING FOR A PLURALITY OF DEFLECTORS OF A TROUGH ASSEMBLY IN A MULTI GOB GLASS MACHINE"	
Applicant	:	EMHART GLASS S.A., a Swiss Corporation of having a place of business, Gewerbestrasse 11, P.O. Box 5069, Cham, CH-6330, Switzerland	
Inventors	:	WILLI MEYER - Switzerland.	
Kind of Application	:	COMPLETE/CONVENTION	

Application for Patent Number 1341/Del/95 filed on 18.0.1995

Convention Application No. 9414740-2/UK/21-07-94.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Branch, New Delhi - 110 008.

(05 Claims)

An adjustable mounting for a plurality of deflectors (2) of a trough assembly in a multi gob glass machine comprising:

a horizontally extending support (4) for fixing in the machine

a plurality of supporting structures (16) corresponding to the plurality of deflectors, each supporting structure being mounted on said support (4) for sliding movement lengthwise of the support and having

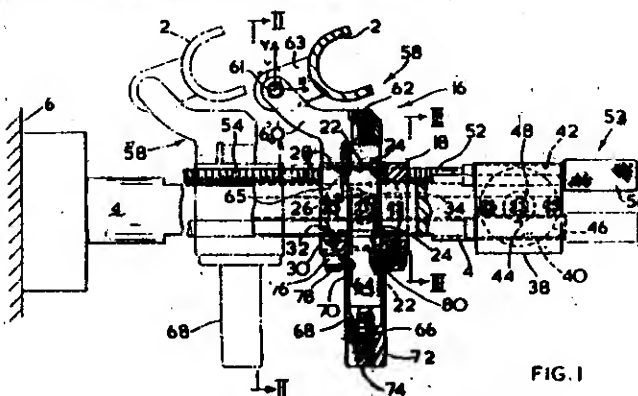
a supporting block (18) mounted on said support for sliding movement lengthwise of the support

a supporting bracket (58) mounted on said supporting block for movement transversely of said support, said bracket having means adapted to engage a deflector and thus locate it in its desired position.

first adjusting means (53) for adjusting the position of each supporting structure lengthwise of the support (4)

and each supporting structure (16) comprising second adjusting means (68, 66) for adjusting the position of its supporting bracket (58) transversely of said support (4).

(COMPLETE SPECIFICATION-11- SHEETS
DRAWING SHEETS -02)



Indian Classification :- 116 C, 74 191926

International Classification :- B 65 G 15/34 D 03 D 23/00, B 32 B 5/24, B 32 B 7/00, D 03 D 19/00.

Title :- "A BELT CONSTRUCTION HAVING A ~~MOCK~~ LENO FABRIC AS AN IMPACT BREAKER LAYER OR SPLICE INSERT "

Applicant :- The Goodyear Tire & Rubber Company., at 1144 East Market Street, Akron, Ohio 44316-0001, U.S.A.

Inventors :- CYNTHIA ARLINE IRVIN - USA.

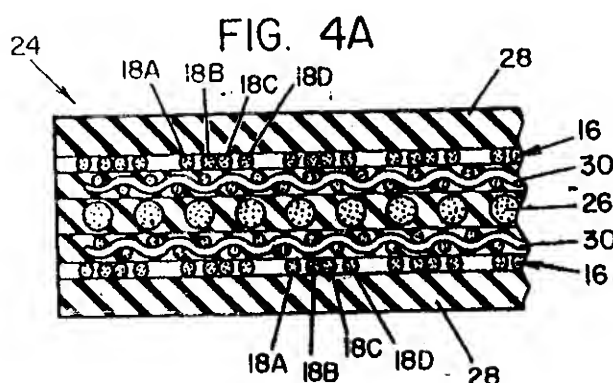
Kind of Application :- COMPLETE

Application for Patent Number 1590/DEL/1995 filed on 25/08/1995

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, New Delhi Branch - 110 008.

(Claims 04)

A belt construction having a mock leno fabric as impact breaker layer or splice insert comprising a reinforcement layer, at least one cover layer and a breaker layer characterized in that the breaker layer is comprised of a mock leno fabric having a tensile strength of at least 2800 KN/ m width and a cover factor of less than 70%.



Complete Specification

No of Pages

07

Drawings Sheets

04

Indian Classification	-	48 A 1, 48 A 4	191927
International Classification ⁷	-	H 01 B 7/04, H 01B 7/22.	
Title	-	"Electrical cable for use in a medical surgery environment."	
Applicant	-	The Whitaker Corporation of 4550 New Linden Hill Road, Suite 450, Wilmington, Delaware 19808, - U.S.A.	
Inventors	-	ARTHUR GLEN BUCK U.S.A. DORIS ARLENE BECK U.S.A. SOKHA CHY U.S.A.	
Kind of Application	-	COMPLETE	
Application for Patent Number	1851/del/1995	filed on	09/10/1995

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, New Delhi Branch - 110 008.

(Claims. 06)

An electrical cable for use in a medical surgery environment which comprises: multiple conductors (2) and a shield (5) constituting a core of the cable, a sealant sheath (8), encircling the core, armor (11) encircling the sealant sheath (8), and a sealant layer (14) covering the armor (11) and the sealant sheath (8), the sealant layer (14) and the armor (11) forming a unitary construction wherein the sealant layer (14) and the armor (11) are immobile with respect to each other.



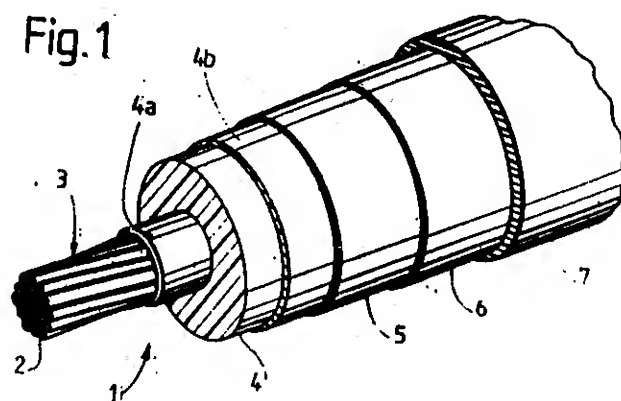
Indian Classification	-	48 A 4	191928
International Classification ⁷	-	H 01 B 3/44 B	
Title	-	" ELECTRIC CABLE SUITABLE FOR LAYING IN GROUND CONTAINING TERMITES OR AT RISK FROM TERMITES "	
Applicant	-	Studer Draht - & Kabelwerk Ag., of Herrenmattstrasse 20, 4658 Daniken, Switzerland.	
Inventors	-	SARBACH EWALD - Switzerland.	
Kind of Application	-	COMPLETE/CONVENTION	
Application for Patent Number	1942/del/1995	filed on	24/10/1995

Convention Application no. 2416/95/SW/24.08.1995.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 2003) Patent Office , New Delhi Branch - 110 008.

(Claims 05)

Electric cable suitable for laying in ground containing termites or at risk from termites, the electric cable having at least one core consisting of a current conductor (3) and an insulation sheath (4) which is surrounded by a jacket, which has an outer protective sheath (7), wherein said outer sheath (7) contains essentially polyethylene and has a density of from 0.9 g/cm to 0.98 g/cm, said outer sheath (7) being free from a metallic protective sheath.



Indian Classification :- 206 A. 206 L 191929

International Classification :- H 01 Q 21/00, H 01 Q 3/32

Title :- "AN ANTENNA CONTROL SYSTEM FOR USE IN CELLULAR BASE STATION"

Applicant :- ANDREW CORPORATION, of 153 rd Street, Orland Park, Illinois, United States of America.

Inventors :- WILLIAM EMIL HEINZ New Zealand
MATHIAS MARTIN ERNEST EHLEN* Netherlands.

Kind of Application :- COMPLETE/CONVENTION

Application for Patent Number 1950/del/1995 filed on 25/10/1995

Convention Application No. 264864, 272778/NZ/04/11/1994, 15/08/1995.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003), Patent Office, New Delhi Branch - 110 008.

(Claims 21)

An antenna control system for use in cellular base station, said system comprising:

a panel antenna adapted to mount a plurality of spaced radiating elements producing a beam having a fixed elevation characterized by having:

a differential electromechanical phase shifter having a transmission line section coupled to said radiating elements, and a transmission line input which is moveable relative to said transmission line section to differentially adjust physical path lengths of transmission line outputs to the coupled radiating elements;

an electric motor mechanically coupled to said phase shifter; and

a control system located remotely from the antenna configured to cause displacement of said transmission line input relative to said transmission line section to adjust the beam from a first fixed elevation to a second fixed elevation.

Complete Specification

No. of Pages

27

Drawings Sheets

08

Indian Classification : 144E₃ 191930

International Classification⁷ : C08L 33/00; C08L 31/00.

Title : "A PAINT EMULSION AND TO A PROCESS FOR THE PREPARATION THEREOF".

Applicant : NATIONAL RESEARCH DEVELOPMENT CORPORATION OF INDIA (A Government of India Enterprises) of 20-22, Zamroodpur Community Centre, Kailash Colony Extension, New Delhi-110 048, INDIA.

Inventors : PRAVEEN KUMAR KAICKER-INDIAN.

Kind of Application : PROVISIONAL/COMPLETE.

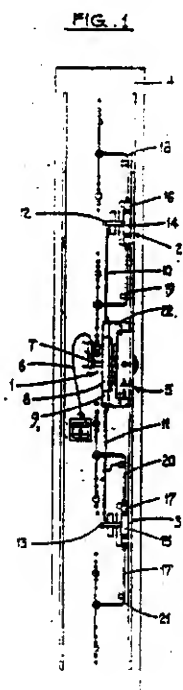
Application for Patent Number 2242/DEL/95 filed on 04/12/1995
 Complete left after Provisional specification on 04/03/1997

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office: Delhi Branch, New Delhi – 110 008.

(08 Claims)

A paint emulsion comprising 40 to 60% latex, 20 to 45% pigment such as TiO₂, 10 to 12% extender pigment such as calcium carbonate or talc, 7 to 10% protecting colloid such as poly vinyl alcohol, 7 to 10% thickener such as carboxy methyl cellulose or hydroxy ethyl cellulose, 1 to 3% of a non-ionic surfactant such as polyoxyethylene sorbitan monolaurate, 1 to 4% amino neutralizer such as triethanol amine, 0.01 to 0.1% silicon defomer mixed together as a homogenous solution in water.

L.S.



(Provisional specification 04 Pages Drawing NIL Sheet)
 (Complete Specification 09 Pages Drawing NIL Sheets)

Ind. Cl. : 99 C 191931

Int Cl⁴ : B 65 D 1/20

"STACKABLE BUNG BARREL MADE OF PLASTIC"

APPLICANT(S) : SCHUTZ-WERKE GMBH & CO. KG
OF BAHNOFSTRASSE 25, D-56242
SELTERS, GERMANY
A GERMAN COMPANY

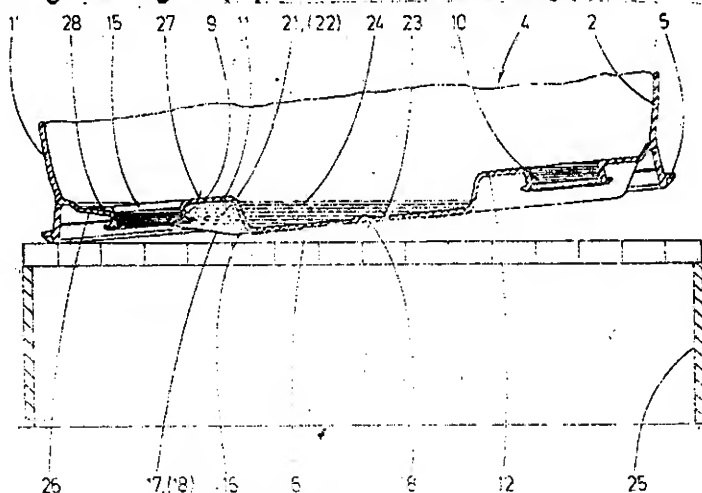
INVENTOR(S) : 1. UDO SCHUTZ

APPLICATION NO : 1119 MAS 94 Filed On 15-Nov-94

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS
(RULE 4, PATENTS RULES, 2003) PATENT OFFICE, CHENNAI BRANCH.

16 CLAIMS

A stackable bung barrel made of plastic, having a blown casing, a base and a cover with a stacking surface, an inlet and an outlet bung as well as an air inlet and release bung and a device for draining residues, in which the bungs are sunk in recesses of the cover and the recess formed in the cover for receiving the inlet and outlet bung has a base surface with a bunghole which is disposed symmetrically to the connection axis of the diametrically opposite bung and which is connected with the stacking surface of the cover via a shoulder, characterized in that the stacking surface (8) passes over into two ramp-like flanges (17,18) which extend in the periphery in peripheral direction of the injection molded cover (4) enclosing the base surface (14) of the recess (11) for the inlet and outlet bung (9) and which extend with a slight drop from the stacking surface (8) of the cover (4) to the base surface (14) of the recess (11) for the inlet and outlet bung (9) and, when the top part (1') of the bung barrel (1) is slightly tilted, runoff channels (21,22) are formed for the residual liquid (24) accumulating on the inside (23) of the cover (4) and running off through the bunghole (15) for the inlet and outlet bung (9).



Comp. Specn: 14 Pages Drawing: 10 Sheets.

Reference Cited: DE 90 01802.

Ind. Cl. : 133 A 191932

Int Cl⁴ : F 24 F - 11/00
H 02 P - 5/41

"CONTROL APPARATUS FOR CONTROLLING
MOTOR OF AIR CONDITIONER"

APPLICANT(S) : FUJITSU GENERAL LIMITED
A JAPANESE COMPANY OF 1116,
SUENAGA, TAKATSU-KU,
KAWASAKI-SHI,
KANAGAWA-KEN, JAPAN

INVENTOR(S) : 1. YOSHIO OGAWA

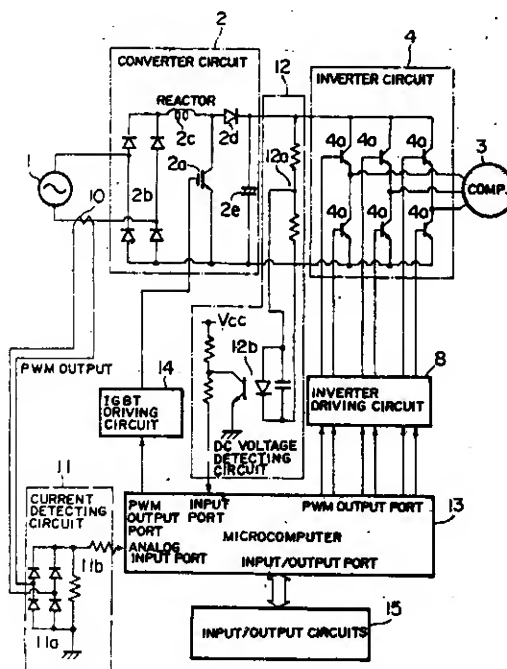
APPLICATION NO : 1124 MAS 95 Filed on 31-Aug-95

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS
(RULE 4, PATENTS RULES, 2003) PATENT OFFICE, CHENNAI BRANCH.

6 CLAIMS

A control apparatus for controlling a motor (3) of an air conditioner comprising a converter (2) for converting input AC supply power into a DC power, the converter having switching means (2a) for improving an input power factor of the air conditioner; an inverter (4) for converting the DC power into an AC power, supplying the AC power to a compressor; a microcomputer (13) for controlling the converter and the inverter; current detecting means (10, 11) for detecting an input current level of the AC supply power; voltage detecting means (12) for detecting a voltage level of the DC power output of the converter; and DC voltage comparing means for comparing the detected DC voltage and a predetermined DC voltage; wherein the microcomputer (13) comprises current command calculation selecting means for obtaining a current command in accordance with a comparison result of the DC voltage comparing means, and switching control means for comparing the current command and the detected input current, obtaining an ON percentage of a PWM signal to control the switching means, and outputting the PWM signal to the switching means.

FIG. 1



Ind. Cl. : 206 E 191933
 Int Cl⁴ : H 04 Q 007/20

**"A SWITCHING NETWORK FOR A
 TELECOMMUNICATION SYSTEM"**

APPLICANT(S): ORANGE PERSONAL COMMUNICATIONS
 SERVICES LIMITED, OF ST. JAMES
 COURT, GREAT PARK ROAD,
 ALMONDSBURY PARK, BRADLEY
 STOKE, BRISTOL BS 12 4QJ,
 UNITED KINGDOM,
 A BRITISH COMPANY,

INVENTOR(S): 1. COLBY, JAMES EDWARD;
 2. O'NEILL, DOMINIC DESMOND PHELM.

APPLICATION NO: 1277 MAS 95 filed on 05-Oct-95

CONVENTION NO: 9420098.7 ON 05-Oct-94 GB

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS
 (RULE 4, PATENTS RULES, 2003) PATENT OFFICE, CHENNAI BRANCH.

6 CLAIMS

A switching network for telecommunication system having a plurality of mobile telecommunication devices, the switching network comprising:

a plurality of data storage units (HLR) for storing connection data relating to one or more respective mobile telecommunication devices, and for determining the location of said one or more respective mobile telecommunication devices; and

link means for using the connection data stored by one of the data storage units [HLR] to form a telecommunication link with one of the corresponding one or more mobile telecommunication devices;

Characterised by:

a register unit (15) for storing associations between the data storage units and one or more respective identification codes;

input means of inputting an identification code;

a switch unit (30, 31) connected to said register unit [15] for interrogating the register unit (15) to determine the data storage unit (HLR) associated with that identification code; and

means for altering the associations stored by the register unit (15);

wherein the link means is configured to bypass the register unit to form a link with the corresponding one or more mobile telecommunication devices using the connection data once the data storage unit associated with that identification code has been determined.

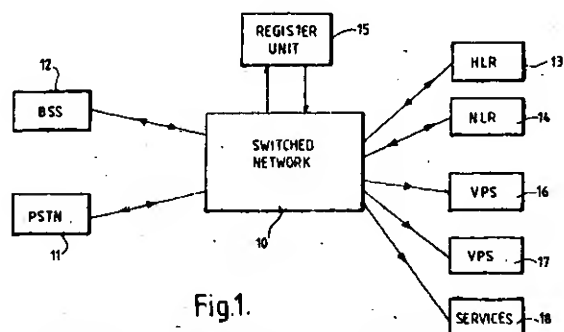


Fig.1.

Ind. Cl. : 206 E

191934

Int. Cl.⁴ H 04 N 5/91

"AN APPARATUS FOR REPRODUCING A SELECTED SCREEN
IN A VIDEO COMPACT DISC REPRODUCING SYSTEM"

APPLICANT(S) : DAEWOO ELECTRONICS CORPORATION,
OF 686 AHYEON-DONG, MAPO-GU, Seoul-
KOREA, A KOREAN COMPANY.

INVENTOR(S) : 1. SIK HWANGBO.

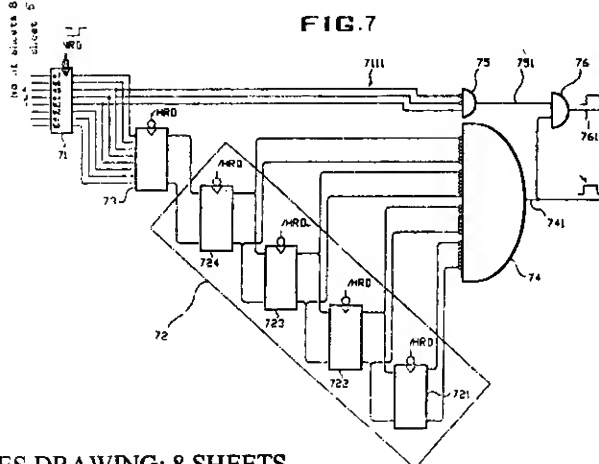
APPLICATION NO : 1746/MAS/95 Filed on 29-Dec-95

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS
(RULE 4, PATENTS RULES, 2003) PATENT OFFICE, CHENNAI BRANCH.

3 CLAIMS

An apparatus for reproducing a selected screen in a video compact disc-reproducing system, said apparatus comprising a data reading means for reading MPEG audio/video data recorded on a video compact disc which is loaded in the video compact disc reproducing system to read out a selected screen data from the MPEG audio/video data by user's selection; a preamplifier for amplifying the selected screen data from the data

reading means, to output an amplified signal; a digital signal processor for processing the amplified signal from the preamplifier in the form of a serial bit stream, to output a serial bit stream signal; a CD-ROM decoder for decoding the serial bit stream signal from the digital signal processor, to sample in the unit of sector, and to separate the sector unit sampled signal into an MPEG signal and a control signal; MPEG audio signal processing means for processing an MPEG audio signal of the MPEG signal through the MPEG algorithm, to output a sound signal; MPEG video signal processing means for processing an MPEG video signal of the MPEG signal through the MPEG algorithm, to output an image signal; a key input section for generating commands to control operation menu; a time information memory for storing the time information of the selected specific screen according to whether or not the specific screen is selected by said key input section; an I picture detecting means for detecting an I picture screen signal from the MPEG video signal obtained by said MPEG video signal processing means; a control means for temporarily storing time information of an I picture screen signal according to I picture screen signal being detected by said I picture detecting means, to store the temporarily stored time information of an I picture screen signal to said time information memory according to whether or not a specific screen memory mode is selected to control said data reading means based on the stored information of said time information memory according to whether or not a selection of a specific screen playback mode is selected, and to control the operation of said MPEG audio signal processing means and said MPEG video signal processing means.



COMP.SPECN: 23 PAGES DRAWING: 8 SHEETS.
REFERENCE CITED: US 5400150.

Ind. Cl. : 27I 191935
Int Cl⁴ : E 04 C 002/00
"A BUILDING PANEL"
APPLICANT(S) : BORAL AUSTRALIAN GYPSUM LIMITED
THACKERAY STREET, CAMELLIA
NEW SOUTH WALES, 2142
AUSTRALIA; AN AUSTRALIAN COMPANY
INVENTOR(S) : 1. JOHN FICK;
2. VICTOR AVRUTIS;
3. IAN GAMMELL.
APPLICATION NO : 263 MAS 96 filed on 16-Feb-96
CONVENTION NO : PN 4975 ON 23-Aug-95 AUSTRALIA

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS
(RULE 4, PATENTS RULES, 2003) PATENT OFFICE, CHENNAI BRANCH.
10 CLAIMS

A building panel comprising a core of expanded plastics material of rectilinear configuration having two major parallel and coextensive surfaces which are separated by the thickness of the core; and a plurality of parallel coextensive reinforcing channel members, the channel members being arranged so as to extend parallel to an edge of the panel and being transversely spaced, each member having a longitudinally extending base portion from which there transversely extends longitudinally extending leg portions, with the base portion or one of the legs being arranged so as to be co-planar with one of said surface; and wherein said reinforcing members are the only reinforcing members in said panel.

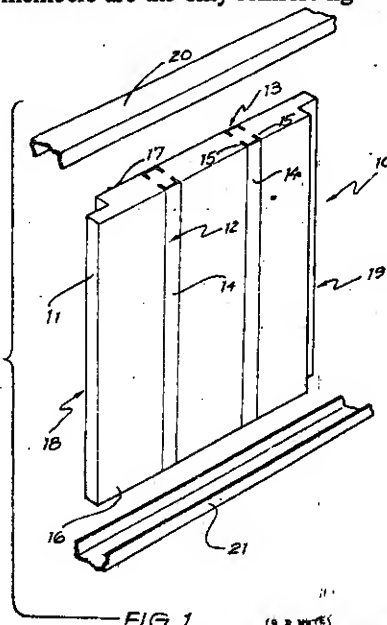


FIG. 1

(A R MKIES)
OF D-PENDING & D-PENDING
AGENT FOR THE APPLICANT

COMP.SPECN: 7 PAGES DRAWING: 2 SHEETS.

REFERENCE CITED: AU 568548.

Ind. Cl. : 116 H 191936

Int Cl⁴ : B 66 C 23/26

"A QUICK-CONNECT SECTIONAL BOOM
MEMBER FOR CRANES AND THE LIKE"

APPLICANT(S) : MANITOWOC CRANE GRAOUP, INC.,
A CORPORATION ORGANISED UNDER
THE LAWS OF NEVADA OF 50 WEST
LIBERTY STREET, SUITE 1060, RENO,
NEVADA, USA.

INVENTOR(S) : 1. DAVID J PECH; 4. JOHN LANNING;
2. WAYNE W BEEBE; 5. PAUL M PUKITA;
3. TERRY CASAVANT; 6. MICHAEL J WANER.

APPLICATION NO : 540 MAS 96 filed on 2-Apr-96

Divisional to Patent Application No:789/MAS/91
Ante-dated to 21st Oct, 1991

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS
(RULE 4 , PATENTS RULES, 2003) PATENT OFFICE, CHENNAI BRANCH.

8 CLAIMS

A quick-connect sectional boom member (22-24) for cranes the sectional boom member comprising: a) at least three chords (31, 33) with intermediate lacing elements (35), each of the chords (31, 33) having an end configured to about a corresponding end of a chord of a second sectional boom member to which said first sectional boom member is adapted to connect; b) at least a connector (36, 38) attached to said end of each chord for connecting with at least a mating connector (37, 39) on each of the abutting ends of the chords of said second sectional boom member ; c) each said connectors comprising a load bearing surface for transmitting comprehensive loads between abutting chords ; and d) at lest one of said connectors comprising a first connector which comprises a lug (101) having a vertically protruding pin (103) extending therefrom.

COMP.SPECN: 23 PAGES DRAWING: 8 SHEETS.

Ind. Cl. : 5 D 191937

Int Cl⁴ : B 05 B 1/02 ; 15/00
A 01 G 25/02

"AN APPARATUS FOR FORMING A DRIP IRRIGATION TAPE"

APPLICANT(S): ROBERTS GROUP HOLDINGS LLC,
OF 700 RANCHEROS DRIVE, SAN
MARCOS, CA-92069-3007, USA
AN US COMPANY

INVENTOR(S): 1. JAMES C. ROBERTS.

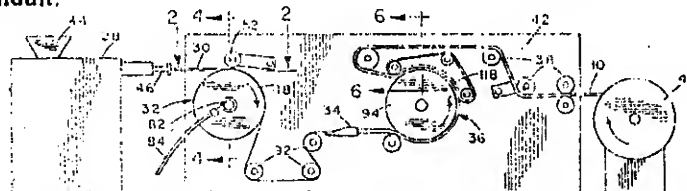
APPLICATION NO : 224 MAS 97 Filed on 04-Feb-97

Divisional to Patent Application No:347/MAS/92
Ante-dated to 20th. Jul, 1992

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS
(RULE 4 , PATENTS RULES,2003)PATENT OFFICE, CHENNAI BRANCH.

3 CLAIMS

An apparatus for forming a drip irrigation tape, comprising: an extruder for extruding a strip of flexible material; a rotatable shaping drum having an inwardly extending channel extending around at least part of the periphery of the drum, the channel having a serpentine shape matching that of a groove to be formed in the strip; guide means for guiding the strip around part of the periphery of the drum with a first side edge portion of the strip overlying the channel; the channel having a plurality of spaced suction ports extending along its length, at least one of the ports being of larger dimensions than the remaining ports; a vacuum source; passageways within the drum connecting the vacuum source to at least the suction ports around said part of the periphery of the drum to pull the strip material overlying the channel into the channel to form a groove of corresponding shape in the strip; the larger suction port comprising suction means for applying sufficient suction to the overlying strip to pull a raised hole in the strip at that port; a folding mechanism downstream of the shaping drum for folding the strip lengthwise with the first side edge portion and an opposite second side edge portion overlapping to form a first conduit; and a sealing mechanism downstream of the folding mechanism for joining the first and second side edge portions together on opposite sides of the groove to form a seam in which the groove defines at least one secondary conduit and breaks in the seam defines at least one inlet between the main conduit and the or each secondary conduit.



COMP.SPECN: 31 PAGES DRAWING: 7 SHEETS.

REFERENCE CITED: US 4722759; 4807668; 4177946; 07/485778; 4473191.

Ind. Cl. : 195 D 191938

Int Cl⁴ : F 16 K 31/126
G 05 D 16/00

"A VALVE POSITIONER FOR PROVIDING A CONTROL PRESSURE TO A VALVE ACTUATOR"

APPLICANT(S) : ROSEMOUNT INC.,
A U S CORPORATION OF 12001
TECHNOLOGY DRIVE, EDEN PRAIRIE,
MINNESOTA 55344,
UNITED STATES OF AMERICA

INVENTOR(S) : 1. GARY A LENZ;
2. GREGORY C BROWN;
3. JOGESH WARRIOR

APPLICATION NO : 273 MAS 00 filed on 10-Apr-00

Divisional to Patent Application No:594/MAS/94
Ante-dated to 5th July 1994

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS
(RULE 4 , PATENTS RULES, 2003) PATENT OFFICE, CHENNAI BRANCH.

7 CLAIMS

A valve positioner for providing a control pressure to a valve actuator mechanically coupled to a valve, the said valve positioner communicating with a master over a communication loop, comprising a receiving circuit coupled to the communication loop for receiving an input representative of a desired valve position; a sensing circuit for sensing physical parameters affecting the valve having a valve position sensor for sensing a position of the valve; a control circuit coupled to the sensing circuit and the receiving circuit for providing a command output as a function of the desired valve position and the second valve position; a transducer coupled to a source of pressurized air and the command output and providing a control pressure as a function of the command output; and a correction circuit with a memory for storing a valve attribute of the valve that is affected by one of the physical parameters, the said correction circuit compensating the command output as a function of the sensed physical parameter and the stored valve attribute.

COMP.SPECN: 30 PAGES DRAWING: 7 SHEETS.

REFERENCE : 594 / MAS / 94

Ind. Cl. : 152 E; 155 F 1 191939

Int Cl⁴ : B 32 B - 5/00; D 21 H - 5/10

"A SECURITY PRODUCT CONSISTING OF A
SHEET MATERIAL AND AN OPTICAL ARTICLE"

APPLICANT(S) : FLEX PRODUCTS, INC.,
A DELAWARE CORPORATION, OF
2793 NORTHPOINT PARKWAY,
SANTA ROSA, CALIFORNIA 94507,
USA

INVENTOR(S) : 1. ROGER W PHILLIPS;
2. PAUL G COOMBS;
3. PATRICK K HIGGINS;
4. CHARLES T MARKANTES.

APPLICATION NO : 990 MAS 00 Filed on 22-Nov-00

Divisional to Patent Application No:77/MAS/95
Ante-dated to 25th Jan, 1995

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS
(RULE 4 , PATENTS RULES, 2003) PATENT OFFICE, CHENNAI BRANCH.

9 CLAIMS

A security product consisting of a sheet of material having first and second surfaces, an optical article carried by the sheet of material, said optical article comprising a layer of polymeric material which is biaxially oriented with flakes lying in planes in the directions of the biaxial orientation with the first and second surfaces of the flakes being substantially parallel to the first and second surfaces of the layer of the polymeric material.

COMP. SPECN : 26
DRAWINGS: 1 SHEET.

PAGES:

Ind.Cl.:32F(3)(C).

191940

Int.Cl⁴:C07C 35/12.**"A METHOD FOR PRODUCING 1-MENTHOL".**

Applicant: TAKASAGO INTERNATIONAL CORPORATION
OF 37-1 KAMATA, 5-CHOME
OHTA-KU
TOKYO (A JAPANESE COMPANY)
JAPAN.

Inventors: 1. NOBORU SAYO;
2. TAKAJI MATSUMOTO.

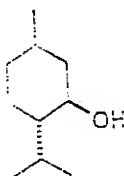
Application No 378/MAS/2001 filed on 9-MAY-01

Convention No. 2000-137388 on 10 May 2000, JAPAN. ~~100~~,

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003),
Patent Office, Chennai Branch.

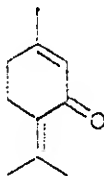
7 Claims

A method for producing 1-menthol represented by a formula (7),

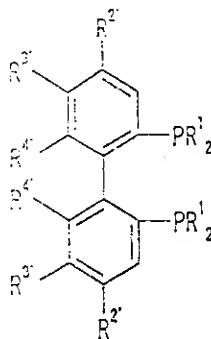


Which comprises:

Hydrogenation of piperitenone represented by the formula (1)

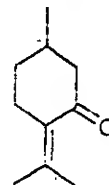


With a complex of an optically active phosphine represented by a general formula (2')

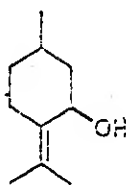


Wherein R^1 represents an aryl group which may have a substitute group or a cycloalkyl group having from 3 to 8 carbon atoms, R^2 represents hydrogen atom, R^3 represents hydrogen atom, methyl group, methoxy group or a halogen atom, and R^4 represents methyl group or methoxy group, or R^3 and R^4 may be coupled together to form methylenedioxy group or C_4 alkylene group, or R^3 and R^4 may form, together with the carbon atoms, benzene ring and a transition metal, the presence of a transition metal catalyst by adding an ammonium salt, a phosphorus salt or an alkali metal salt to said complex of formula 2;

Thereby producing pulegone represented by a formula (5),



Hydrogenation of the resulting pulegone with a ruthenium-phosphine-amine complex in the presence of a base such as herein described, under a hydrogen pressure of 1 to 100 kg/cm^2 , thereby obtaining pulegol represented by a formula (6)



and further hydrogenation of the pulegol with a transition metal catalyst such as herein described to produce 1-menthol and recovering the 1-menthol in a known manner.

Reference to : JP-B-57-47168;
JP-A-61-63690;
-62-265293.

Comp.Specn. 55 Pages; Drgs NIL. Sheets.

Cessation of Patents**186543****186643****PATENT SEALED ON 19-12-2003 (KOLKATA)**

186960	189907	189982	189983	189984	189985	189987	189988	189989
189990	190081	190082						

KOL—12, DEL—NIL, MUM—NIL, CHEN—NIL**PATENT SEALED ON 02-12-2003 (DELHI).**

188886	189050	189281	189282	189286	189290	189325	189330	189355
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PATENT SEALED ON 09-12-2003 (DELHI).

189384	189408	189457	189458	189497	189528	189530	189947
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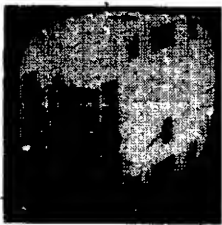

REGISTRATION OF DESIGNS

The following designs have been registered. They are open for public inspection from the date of registration. (Colour combination if any, is not shown in the representation)






The dates shown in the following each entry is the date of registration.

Class.	02-04	No.190981. RAMANAND ENTERPRISES INDIA PVT. LTD., 13/14, BARAGHATA INDUSTRIAL AREA, JHANSI ROAD, GWALIOR (M.P.), INDIA. "SOLE FOR FOOTWEAR", 9 JANUARY 2003.	
Class.	08-08	No.190619. E.I.DUPONT INDIA LIMITED, AN INDIAN COMPANY AT DLF PLAZA TOWER 8 TH FLOOR, DLF QUTAB ENCLAVE, PHASE-I, GURGAON-122 002, HARYANA, INDIA. "RAIL PAD", 27 NOVEMBER 2002.	
Class.	08-08	No.190620. E.I.DUPONT INDIA LIMITED, AN INDIAN COMPANY AT DLF PLAZA TOWER 8 TH FLOOR, DLF QUTAB ENCLAVE, PHASE-I, GURGAON-122 002, HARYANA, INDIA. "RAIL PAD", 27 NOVEMBER 2002.	
Class.	09-05	No.191780. ASHOK CHATURVEDI, OF 118-119, DAMJI UDYOG BHAWAN, 1 ST FLOOR, 25A, VEERA DESAI ROAD, ANDHERI (WEST), MUM-BAI-400053, MAHARASHTRA, INDIA. "STAND-UP POUCH WITH SLIDER", 8 APRIL 2003.	





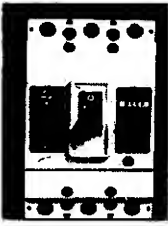
Page No.2.

Class.	09-05	190747.SURYAKIRAM UDYOG PVT. LTD., OF PLOT NO.77-B, SECTOR-5, IMT-MANESAR, DELHI-JAIPUR HIGHWAY, GURGAON:-122 050, HARYANA, INDIA. "PEN TIP", 17 DECEMBER 2002.	
Class.	02-04	No.192074. ALERT INDIA , OF ADDRESS C-1, S.M.A. INDUSTRIAL ESTATE, G.T. KARNAL ROAD,DELHI- 110 033 (INDIA). "SOLE OF FOOTWEAR", 8 MAY 2003.	
Class.	09-05	No.192110. FENA PVT. LTD AT A-237 OKHLA INDUSTRIAL AREA PAHSE-1, NEW DELHI:- 110 020, INDIA. "POLY BAG", 14 MAY 2003.	
Class.	13-01	No.192244. SU-KAM COMMUNICATION SYSTEMS LTD., WZ-1401/2, NANGAL RAYA, NEW DELHI: -110046, INDIA. "DIGITAL INVERTER", 30 MAY 2003.	
Class.	02-04	No.192075. ALERT INDIA , OF ADDRESS C-1, S.M.A. INDUSTRIAL ESTATE, G.T. KARNAL ROAD,DELHI- 110 033 (INDIA). "SOLE OF FOOTWEAR", 8 MAY 2003.	






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Class.	02-04	No.192073. ALERT INDIA , OF ADDRESS C-1, S.M.A. INDUSTRIAL ESTATE, G.T. KARNAL ROAD,DELHI- 110 033 (INDIA). "SOLE OF FOOTWEAR", 8 MAY 2003.	
Class.	05-05	No.192720. THE RISHABH VELVELEEN LIMITED AT 9 TH KM, HARDWAR-DELHI ROAD,NEAR RANIPUR TOLL BARRIER, JWALAPUR, HARDWAR:- 249 407, U.P., INDIA. "TEXTILE FABRICS", 31 JULY 2003.	
Class.	05-05	No.192721. THE RISHABH VELVELEEN LIMITED AT 9 TH KM, HARDWAR-DELHI ROAD,NEAR RANIPUR TOLL BARRIER, JWALAPUR, HARDWAR:- 249 407, U.P., INDIA. "TEXTILE FABRICS", 31 JULY 2003.	
Class.	02-04	No.192076. ALERT INDIA , OF ADDRESS C-1, S.M.A. INDUSTRIAL ESTATE, G.T. KARNAL ROAD,DELHI- 110 033 (INDIA). "SOLE OF FOOTWEAR", 8 MAY 2003.	
Class.	09-05	No.191167. M/S. ANAND AGENCY, INDIAN NATIONAL, 4, NAYAPURA, INDORE, MADHYA PRADESH, INDIA. "POUCH", 31 JANUARY 2003.	




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Class.	09-05	No.191166. M/S. ANAND AGENCY, INDIAN NATIONAL, 4, NAYAPURA, INDORE, MADHYA PRADESH, INDIA. "POUCH", 31 JANUARY 2003.	
Class.	09-05	No.191168. M/S. ANAND AGENCY, INDIAN NATIONAL, 4, NAYAPURA, INDORE, MADHYA PRADESH, INDIA. "POUCH", 31 JANUARY 2003.	
Class.	12-11	No.192039. FLYING STAG BIKES (P) LTD., OF F-93 & 102, PHASE-VII, FOCAL POINT, LUDHIANA-141010 (PUNJAB), INDIA. "BI-CYCLE HANDLE", 5 MAY 2002.	
Class.	12-11	No.192550. EASTMAN INDUSTRIES LTD., C-87, PHASE-V, FOCAL POINT, LUDHI-ANA-141010 (PUNJAB), INDIA. "BI-CYCLE MUDGUARD", 8 JULY 2003.	
Class.	13-03	No.192135. LARSEN & TOUBRO LTD., L & T HOUSE, BALLARD ESTATE, MUMBAI-400 001, MAHARASHTRA, INDIA. "MOULDED CASE CIRCUIT BREAKER", 20 AMY 2003.	

Page No.5.

Class.	09-07	No.192032. DABUR INDIA LIMITED, OF 22, SITE-IV, SAHIBABAD, GHAZIABAD, U.P.-201010, INDIA. "CONTAINER", 14 APRIL 2003.	
Class.	10-16	No.192160. M/S. G.M. MODULAR PVT. LTD. 22/23, SHUBH BUILDING, SAGAR MANTHAN INDUSTRIAL COMPLEX, BHODAPADA, GOKHIWARE, VASAI(E), THANE(DIST), MAHARASHTRA(INDIA). "BELL", 22 MAY 2003.	
Class.	10-06	No.192161. M/S. G.M. MODULAR PVT. LTD. 22/23, SHUBH BUILDING, SAGAR MANTHAN INDUSTRIAL COMPLEX, BHODAPADA, GOKHIWARE, VASAI(E), THANE(DIST), MAHARASHTRA(INDIA). "BELL", 22 MAY 2003.	
Class.	14-02	No.192155. M/S. G.M. MODULAR PVT. LTD. 22/23, SHUBH BUILDING, SAGAR MANTHAN INDUSTRIAL COMPLEX, BHODAPADA, GOKHIWARE, VASAI(E), THANE(DIST), MAHARASHTRA(INDIA). "COMPUTER SPIKE GURAD", 22 MAY 2003.	
Class.	10-06	No.192159. M/S. G.M. MODULAR PVT. LTD. 22/23, SHUBH BUILDING, SAGAR MANTHAN INDUSTRIAL COMPLEX, BHODAPADA, GOKHIWARE, VASAI(E), THANE(DIST), MAHARASHTRA(INDIA). "BELL", 22 MAY 2003.	

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Class.	10-06	No.192158. M/S. G.M. MODULAR PVT. LTD. 22/23, SHUBH BUILDING, SAGAR MANTHAN INDUSTRIAL COMPLEX, BHODAPADA, GOKHIWARE, VASAI(E), THANE(DIST), MAHARASHTRA(INDIA). "BELL", 22 MAY 2003.	
Class.	10-06	No.192157. M/S. G.M. MODULAR PVT. LTD. 22/23, SHUBH BUILDING, SAGAR MANTHAN INDUSTRIAL COMPLEX, BHODAPADA, GOKHIWARE, VASAI(E), THANE(DIST), MAHARASHTRA(INDIA). "ELECTRIC BEL REMOTE", 22 MAY 2003.	
Class.	14-02	No.192156. M/S. G.M. MODULAR PVT. LTD. 22/23, SHUBH BUILDING, SAGAR MANTHAN INDUSTRIAL COMPLEX, BHODAPADA, GOKHIWARE, VASAI(E), THANE(DIST), MAHARASHTRA(INDIA). "COMPUTER SPIKE GUARD", 22 MAY 2003.	

Dr. S. N. MAITY
Controller General of Patents, Designs & Trade Marks